



PATENT APPLICATION  
DOCKET NO.: 20661/00787

**RULES 63 AND 67 (37 C.F.R. 1.63 and 1.67)  
DECLARATION AND POWER OF ATTORNEY**

**FOR UTILITY/DESIGN/CIP/PCT NATIONAL APPLICATIONS**

As the personal representative of the below named inventor, who is now deceased, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the representative of the deceased inventor Wendell Little of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ENCRYPTION-BASED SECURITY PROTECTION FOR PROCESSORS**, a copy of such specification was provided to me and:

- \_\_\_\_\_ (a) is attached hereto.
- X   (b) was filed on 08/16/01 as Application Serial No. 09/932,247.
- \_\_\_\_\_ (c) was filed as PCT International Application No. PCT/\_\_\_\_\_ on \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).
- \_\_\_\_\_ (d) was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_ and was issued a Notice of Allowance on \_\_\_\_\_.

The last address of the deceased and below named inventor Wendell L. Little was at 2300 Stonegate Circle, Denton, Texas, 76205, and he was a citizen of the USA. Edward Tang Kwai Ma and Stephen N. Grider are joint inventors in the subject application and are executing a Declaration.

I acknowledge the duty to disclose all information known to me to be material to the patentability of this application as defined in 37 CFR § 1.56. If this is a continuation-in-part (CIP) application, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability of the application as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this CIP application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application

on which my priority is claimed or, (2) if no priority is claimed, before the filing date of this application:

### PRIOR FOREIGN PATENTS

<u>Number</u>	<u>Country</u>	<u>Month/Day/Year Filed</u>	<u>Date first laid-open or Published</u>	<u>Date patented or Granted</u>	<u>Priority Claimed</u>	
					<u>Yes</u>	<u>No</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 120/365 of any United States application(s) listed below and PCT international applications listed above or below:

### PRIOR U.S. OR PCT APPLICATIONS

<u>Application No. (series code/serial no.)</u>	<u>Month/Day/Year Filed</u>	<u>Status(pending, abandoned, patented)</u>
_____	_____	_____

I hereby appoint:

TIMOTHY G. ACKERMANN, Reg. No. 44,493  
BENJAMIN J. BAL, Reg. No. 43,481  
MARY JO BOLDINGH, Reg. No. 34,713  
MARGARET A. BOULWARE, Reg. No. 28,708  
DANIEL J. BURNHAM, Reg. No. 39,618  
THOMAS L. CANTRELL, Reg. No. 20,849  
SORJENEL CIMPOES, Reg. No. 48,311  
JASON W. COOK, Reg. No. 48,456  
RONALD B. COOLLEY, Reg. No. 27,187  
THOMAS L. CRISMAN, Reg. No. 24,846  
STUART D. DWORK, Reg. No. 31,103  
WILLIAM F. ESSER, Reg. No. 38,053  
ROGER J. FRENCH, Reg. No. 27,786  
JANET M. GARRETTO, Reg. No. 42,568  
MARK GATSCHET, Reg. No. 42,569  
JOHN C. GATZ, Reg. No. 41,774  
RUSSELL J. GENET, Reg. No. 42,571  
GERALD H. GLANZMAN, Reg. No. 25,035

LEKHA GOPALAKRISHNAN, Reg. No. 46,733  
J. KEVIN GRAY, Reg. No. 37,141  
STEVEN R. GREENFIELD, Reg. No. 38,166  
JOSHUA A. GRISWOLD, Reg. No. 46,310  
J. PAT HEPTIG, Reg. No. 40,643  
JOHN E. HYATT, Reg. No. 43,421  
SHARON A. ISRAEL, Reg. No. 41,867  
JOHN R. KIRK JR., Reg. No. 24,477  
PAUL R. KITCH, Reg. No. 38,206  
TIMOTHY M. KOWALSKI, Reg. No. 44,192  
HSIN-WEI LUANG, Reg. No. 44,213  
ROBERT W. MASON, Reg. No. 42,848  
ROGER L. MAXWELL, Reg. No. 31,855  
LISA H. MEYERHOFF, Reg. No. 36,869  
STANLEY R. MOORE, Reg. No. 26,958  
MARK V. MULLER, Reg. No. 37,509  
P. WESTON MUSSELMAN JR, Reg. No. 31,644  
RAMA B. NATH, Reg. No. 27,072  
DANIEL G. NGUYEN, Reg. No. 42,933

MICHAEL K. NUTTER, Reg. No. 44,979  
SPENCER C. PATTERSON, Reg. No. 43,849  
CONSTANCE L. PIELECH, Reg. No. 46,991  
RUSSELL N. RIPPAMONTI, Reg. No. 39,521  
ROSS T. ROBINSON, Reg. No. 47,031  
STEPHEN G. RUDISILL, Reg. No. 20,087  
HOLLY L. RUDNICK, Reg. No. 43,065  
JERRY R. SELINGER, Reg. No. 26,582  
JAMES O. SKARSTEN, Reg. No. 28,346  
ZACHARY J. SMOLINSKI, Reg. No. 47,100  
GARY B. SOLOMON, Reg. No. 44,347  
JUSTIN SWINDELLS, Reg. No. 48,733  
STEVE Z. SZCZEPANSKI, Reg. No. 27,957  
ANDRE M. SZUWALSKI, Reg. No. 35,701  
ALAN R. THIELE, Reg. No. 30,694  
CYNTHIA THOMPSON, Reg. No. 48,655  
TAMSEN VALOIR, Reg. No. 41,417  
BRIAN D. WALKER, Reg. No. 37,751  
GERALD T. WELCH, Reg. No. 30,332  
HAROLD N. WELLS, Reg. No. 26,044  
WILLIAM D. WIESE, Reg. No. 45,217


all of the firm of JENKENS & GILCHRIST, P.C., 3200 Fountain Place, 1445 Ross Avenue, Dallas, Texas 75202-2799, as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and to file and prosecute any international patent application filed thereon before any international authorities under the Patent Cooperation Treaty, and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct them in writing to the contrary.

Please address all correspondence and direct all telephone calls to:

Roger L. Maxwell  
Jenkins & Gilchrist, A Professional Corporation  
3200 Fountain Place  
1445 Ross Avenue  
Dallas, Texas 75202-2799  
214/855-4789  
214/855-4300 (fax)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**PERSONAL REPRESENTATIVE OF NAMED INVENTOR WENDELL L. LITTLE:**

1	Ann Little		12-19-01
	<b>Full Name</b>	<b>Personal Representative's Signature</b>	<b>Date</b>
	3251 Lake Sharon Drive Corinth, TX 76205		
	<b>Residence of Personal Representative</b> (city, state, country)		<b>USA</b> <b>Citizenship</b>
3251 Lake Sharon Drive Corinth, TX 76205			
<b>Post Office Address</b> (include zip code)			



PATENT APPLICATION  
DOCKET NO.: 20661-00787

**RULES 63 AND 67 (37 C.F.R. 1.63 and 1.67)  
DECLARATION AND POWER OF ATTORNEY**

**FOR UTILITY/DESIGN/CIP/PCT NATIONAL APPLICATIONS**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ENCRYPTION-BASED SECURITY PROTECTION FOR PROCESSORS**, the specification of which: (mark only one)

- \_\_\_ (a) is attached hereto.
- X (b) was filed on 08/16/01 as Application Serial No. 09/932,247
- \_\_\_ (c) was filed as PCT International Application No. PCT/\_\_\_ on \_\_\_ and was amended on \_\_\_ (if applicable).
- \_\_\_ (d) was filed on \_\_\_ as Application Serial No. \_\_\_ and was issued a Notice of Allowance on \_\_\_.
- \_\_\_ (e) was filed on \_\_\_ and bearing attorney docket number \_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above or as allowed as indicated above.

I acknowledge the duty to disclose all information known to me to be material to the patentability of this application as defined in 37 CFR § 1.56. If this is a continuation-in-part (CIP) application, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability of the application as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which my priority is claimed or, (2) if no priority is claimed, before the filing date of this application:

# PRIOR FOREIGN PATENTS

<u>Number</u>	<u>Country</u>	<u>Month/Day/Year</u> <u>Filed</u>	<u>Date first</u> <u>laid-open or</u> <u>Published</u>	<u>Date</u> <u>patented or</u> <u>Granted</u>	<u>Priority Claimed</u> <u>Yes</u> <u>No</u>
---------------	----------------	---------------------------------------	--------------------------------------------------------------	-----------------------------------------------------	-------------------------------------------------

I hereby claim the benefit under 35 U.S.C. § 120/365 of any United States application(s) listed below and PCT international applications listed above or below:

## PRIOR U.S. OR PCT APPLICATIONS

<u>Application No. (series code/serial no.)</u>	<u>Month/Day/Year Filed</u>	<u>Status(pending, abandoned, patented)</u>
-------------------------------------------------	-----------------------------	---------------------------------------------

I hereby appoint:

TIMOTHY G. ACKERMANN, Reg. No. 44,493	LEKHA GOPALAKRISHNAN, Reg. No. 46,733	MICHAEL K. NUTTER, Reg. No. 44,979
BENJAMIN J. BAI, Reg. No. 43,481	J. KEVIN GRAY, Reg. No. 37,141	SPENCER C. PATTERSON, Reg. No. 43,849
MARY JO BOLDINGH, Reg. No. 34,713	STEVEN R. GREENFIELD, Reg. No. 38,166	CONSTANCE L. PIELECH, Reg. No. 46,991
MARGARET A. BOULWARE, Reg. No. 28,708	JOSHUA A. GRISWOLD, Reg. No. 46,310	RUSSELL N. RIPPAMONTI, Reg. No. 39,521
DANIEL J. BURNHAM, Reg. No. 39,618	J. PAT HEPTIG, Reg. No. 40,643	ROSS T. ROBINSON, Reg. No. 47,031
THOMAS L. CANTRELL, Reg. No. 20,849	JOHN E. HYATT, Reg. No. 43,421	STEPHEN G. RUDISILL, Reg. No. 20,087
SORIENEL CIMPOES, Reg. No. 48,311	SHARON A. ISRAEL, Reg. No. 41,867	HOLLY L. RUDNICK, Reg. No. 43,065
JASON W. COOK, Reg. No. 48,456	JOHN R. KIRK JR., Reg. No. 24,477	JERRY R. SELINGER, Reg. No. 26,582
RONALD B. COOLLEY, Reg. No. 27,187	PAUL R. KITCH, Reg. No. 38,206	JAMES O. SKARSTEN, Reg. No. 28,346
THOMAS L. CRISMAN, Reg. No. 24,846	TIMOTHY M. KOWALSKI, Reg. No. 44,192	ZACHARY J. SMOLINSKI, Reg. No. 47,100
STUART D. DWORK, Reg. No. 31,103	HSIN-WEI LUANG, Reg. No. 44,213	GARY B. SOLOMON, Reg. No. 44,347
WILLIAM F. ESSER, Reg. No. 38,053	ROBERT W. MASON, Reg. No. 42,848	JUSTIN SWINDELLS, Reg. No. 48,733
ROGER J. FRENCH, Reg. No. 27,786	ROGER L. MAXWELL, Reg. No. 31,855	STEVE Z. SZCZEPANSKI, Reg. No. 27,957
JANET M. GARETTO, Reg. No. 42,568	LISA H. MEYERHOFF, Reg. No. 36,869	ANDRE M. SZUWALSKI, Reg. No. 35,701
MARK GATSCHE, Reg. No. 42,569	STANLEY R. MOORE, Reg. No. 26,958	ALAN R. THIELE, Reg. No. 30,694
JOHN C. GATZ, Reg. No. 41,774	MARK V. MULLER, Reg. No. 37,509	CYNTHIA THOMPSON, Reg. No. 48,655
RUSSELL J. GENET, Reg. No. 42,571	P. WESTON MUSSELMAN JR. Reg. No. 31,644	TAMSEN VALOIR, Reg. No. 41,417
GERALD H. GLANZMAN, Reg. No. 25,035	RAMA B. NATH, Reg. No. 27,072	BRIAN D. WALKER, Reg. No. 37,751
	DANIEL G. NGUYEN, Reg. No. 42,933	GERALD T. WELCH, Reg. No. 30,332
		HAROLD N. WELLS, Reg. No. 26,044
		WILLIAM D. WIESE, Reg. No. 45,217


all of the firm of **JENKENS & GILCHRIST, a Professional Corporation**, 1445 Ross Avenue, Suite 3200, Dallas, Texas 75202-2799, as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application, provisionals thereof, continuations, continuations-in-part, divisionals, appeals, reissues, substitutions, and extensions thereof and to transact all business in the United States Patent and Trademark Office connected therewith, to appoint any individuals under an associate power of attorney and to file and prosecute any international patent application filed thereon before any international authorities, and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct them in writing to the contrary.

Please address all correspondence and direct all telephone calls to:

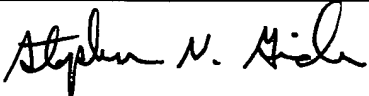
Roger L. Maxwell, Esq.  
Jenkins & Gilchrist, P.C.  
1445 Ross Avenue, Suite 3200  
Dallas, Texas 75202-2799  
214/855-4500  
214/855-4300 (fax)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAMED INVENTOR(S)

1	Edward Tang Kwai Ma		10-30-01
	<b>Full Name</b>	<b>Inventor's Signature</b>	<b>Date</b>
	4133 Warminster Drive Plano, TX 75093 <b>Residence</b> (city, state, country) <div style="text-align: right;"><b>USA</b> <b>Citizenship</b></div>		
	4133 Warminster Drive Plano, TX 75093 <b>Post Office Address</b> (include zip code)		

(FOR ADDITIONAL INVENTORS, check here X and add additional sheet for inventor information regarding signature, name, date, citizenship, residence and address)

2	Stephen N. Grider		11/2/01
	<b>Full Name</b>	<b>Inventor's Signature</b>	<b>Date</b>
	560 Orchid Hill Lane Argyle, Texas 76226		
	<b>Residence</b> (city, state, country)		USA <b>Citizenship</b>
	560 Orchid Hill Lane Argyle, Texas 76226		
	<b>Post Office Address</b> (include zip code)		





## ASSIGNMENT

WHEREAS, We, Wendell L. Little, Edward Tang Kwai Ma and Stephen N. Grider have invented certain new and useful improvements in the following **"ENCRYPTION-BASED SECURITY PROTECTION FOR PROCESSORS"** for which we have made application for United States Letters Patent, and;

WHEREAS, Dallas Semiconductor Corporation, a corporation organized and existing under the laws of Delaware, having its principal place of business at 4401 S. Beltwood Parkway, Dallas, TX 75244-3292 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives our entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world

including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

We further authorize and direct our attorneys to insert below\* the serial number and filing date of said application now identified as Case Docket No. 20661-00787 as soon as the same shall have been made known to them by the United States Patent Office.

\*Serial Number: 09/932,247

Filing Date: August 16, 2001

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 30<sup>th</sup> day of

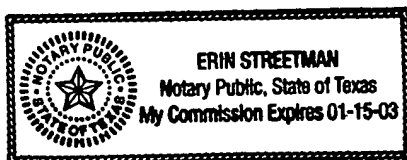
October, 2001.

Edward Tang Kwai Ma

Name: Edward Tang Kwai Ma  
Address: 4133 Warminster Drive  
Plano, TX 75093

State of Texas §  
County of Dallas § ss.:  
§

On this 30<sup>th</sup> day of October, 2001, before me, a Notary Public in and for the State and County aforesaid, personally appeared Edward Tang Kwai Ma, known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

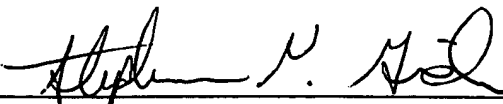


Erin Streetman

Notary Public

My Commission Expires: 01/15/03


IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5 day of  
NOVEMBER, 2001.



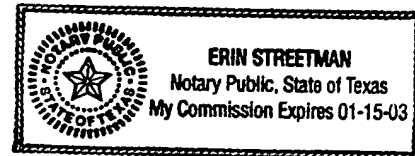
Name: Stephen N. Grider  
Address: 560 Orchid Hill Lane  
Argyle, Texas 76226

State of Texas §  
County of Dallas § ss.:  
§

On this 5th day of November, 2001, before me, a Notary Public in  
and for the State and County aforesaid, personally appeared Stephen N. Grider, known by me to be  
the person of the above name who signed and sealed the foregoing instrument, and acknowledged  
the same to be his own free act and deed.

  
Notary Public

My Commission Expires: 01/15/03



Docket No.20661-00787

## ASSIGNMENT

WHEREAS, I, Ann Little, as Personal Representative of the Estate of Wendell L. Little, who is a co-inventor of certain new and useful improvements in the following **"ENCRYPTION-BASED SECURITY PROTECTION FOR PROCESSORS"** for which an application for United States Letters Patent has been made, and;

WHEREAS, Dallas Semiconductor Corporation, a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 4401 S. Beltwood Parkway, Dallas, TX 75244-3292 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, as Personal Representative, do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives my entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal

representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

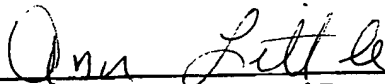
I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives without additional compensation.

I hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings. I further agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries without additional compensation.

I hereby grant the firm of Jenkins & Gilchrist of 1445 Ross Avenue Suite 3200, Dallas, Texas, 75202 or its agents the power to insert on this assignment any further identification, including but not limited to application number(s) and filing dates, which may be necessary or desirable in order to comply with any rule or request of the United States Patent and Trademark office for the purposes of recording this document.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 19 day of

December, 2001.



Name: Ann Little, Personal Representative of the Estate of  
Wendell L. Little

Address: 3251 Lake Sharon Drive  
Corinth, TX 76205